



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	6
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Complete if Known

Application Number	10/782,871
Filing Date	February 23, 2004
First Named Inventor	Malcolm King
Art Unit	1617
Examiner Name	
Attorney Docket Number	11157-74

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	<i>[Signature]</i>	Date Considered	<i>Feb 5</i> / <i>2007</i>
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UR	1	KING, M., AND B.K. RUBIN. 1996. Mucus physiology and pathophysiology: Therapeutic aspects. Chapter 13 of: Derenne, J.P., W.A. Whitelaw, and T. Simlowski, eds. Acute Respiratory Failure in COPD (Lung Biology in Health and Disease Series) Marcel Dekker, New York, 391-411.	
	2	RUBIN, B.K., R.P. TOMKIEWICZ, AND M. KING. 1997. Mucoactive agents: Old and new. Chapter 7 of: Wilmott, R.W., ed. The Pediatric Lung. Birkhauser, Basel, 155-179.	
	3	SHEFFNER, A.L. 1963. The reduction in vitro in viscosity of mucoprotein solutions by a new mucolytic agent, N-acetylcysteine. Ann. N. Y. Acad. Sci. 106:298-310.	
	4	DASGUPTA, B., AND M. KING. 1996. Reduction in viscoelasticity of cystic fibrosis sputum in vitro with combined treatment by Nacystelyn and rhDNase. Pediatr. Pulmonol. 22:161-166.	
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✓	11	DAVISKAS, E., S.D. ANDERSON, J.D. BRANNAN, H.K. CHAN, S. EBERL, AND G. BAUTOVICH. 1997. Inhalation of dry-powder mannitol increases mucociliary clearance. Eur. Respir. J. 10:2449-2454.	

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Signature*Chet Falarca*Date
Considered*Feb/5/2007*

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		Art Unit	1617
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Sheet 3 of 6	Attorney Docket Number	11157-74	

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UR	12	SHIBUYA, Y., P.J. WILLS, S. KITAMURA, AND P.J. COLE. 1997. The effect of lactose on mucociliary transportability and rheology of cystic fibrosis and bronchiectasis sputum. Eur. Respir. J. 10:321s.	
	13	FUCHS, H.J., D.S. BOROWITZ, D.H. CHRISTIANSEN, E.M. MORRIS, M.L. NASH, B.W. RAMSEY, B.J. ROSENSTEIN, A.L. SMITH, AND M.E. WOHL. 1994. Effect of aerosolized recombinant human DNase on exacerbations of respiratory symptoms and on pulmonary function in cystic fibrosis. N. Engl. J. Med. 33:637-648.	
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	17	LEE, M.M., AND M. KING. 1998. Effect of low molecular weight heparin on the elasticity of dog mucus. Clin. Invest Med. 21:S 102.	
	18	LEE M.M., H. GARRETT, E. SUDO, W.A. BOYD, AND M. KING. 1998. Mucociliary clearance increase due to low molecular weight heparin. Pediatr. Pulmonol. 386:S 17.	
	19	APP, E.M., J.G. ZAYAS, AND M. KING. 1993. Rheology of mucus and transepithelial potential difference: Small airways vs. trachea. Eur. Respir. J. 6: 67-75.	
	20	KING, M., S. KELLY, AND M. COSIO. 1985. Alteration of airway reactivity by mucus. Respiration Physiol. 62:47-59.	
	21	KING, M. 1988. Magnetic microrheometer. In: Braga, P.C., and L. Allegra, eds. Methods in Bronchial Mucology. Raven Press, New York, 73-83.	
	22	KING, M. 1987. The role of mucus viscoelasticity in cough clearance. Biorheology 24: 589-597.	

Examiner Signature	<i>Chad Fahrenwal</i>	Date Considered	Feb/5/2007
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UR	23	RUBIN, B.K., O. RAMIREZ, J.G. ZAYAS, B. FINEGAN, AND M. KING. 1990. Collection and analysis of respiratory mucus from individuals without lung disease. Am. Rev. Respir. Dis. 141:1040-1043.	
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	26	TOMKIEWICZ, R.P., W.A. BOYD, W. FENG, E.M. APP, B.K. RUBIN, AND M. KING. 1997. Tracheal clearance and mucus rheology in healthy dogs after aerosolization of 3% and 7% hypertonic saline. Am. J. Respir. Crit. Care Med. 155:A780.	
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	28	WINTERS, S.L., AND D.B. YEATES. 1997. Role of hydration, sodium, and chloride in regulation of canine mucociliary transport system. J. Appl. Physiol. 83:1360-1369.	
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	30	SUDO, E., M.M. LEE, W.A. BOYD, AND M. KING. 1998. Effect of methacholine and uridine-5' triphosphate on tracheal mucus rheology in mice. Pediatr. Pulmonol. S 17:229.	
	31	TAI, S., H. KAI, T. KIDO, Y. ISOHAMA, K. TAKAHAMA, AND T. MIYATA. 1997. Effect of human neutrophil elastase on tracheal mucociliary transport in anesthetized quails. Jpn. J. Pharmacol. 75:439-442.	
	32	KING, M., A. GHAHARY, R. FRANKLIN, M. HIRJI, D. MALCHENKO, W.A. BOYD, H. GARRETT, AND M.M. LEE. 1999. Studies on aerosolized low mol. wt. heparin as a mucokinetic agent in dogs. Am. J. Respir. Crit. Care Med. 159:A474.	
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Examiner Signature	<i>Christy Cleveland</i>	Date Considered	Feb/5/2007
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UR	34	LORENTSEN, K.J., C.W. HENDRIX, J.M. COLLINS, D.M. KORNHAUSER, B.G. PETTY, R.W. KLECKER, C. FLEXNER, R.H. ECKEL, AND P.S. LIETMAN. 1989. Dextran sulfate is poorly absorbed after oral administration. Ann. Int. Med. 111: 561-566.	
	35	BELLER, F.K., ZIMMERMAN, R.E., AND H. NIENHAUS. 1986 Biochemical identification of the mucus of pseudomyxoma peritonei as the basis for mucolytic treatment. Am. J. Obstet. Gynecol. 155:970-3.	
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	39	COYLE A. J. et al: "Role of Cationic Proteins in the Airway Hyperresponsiveness due to Airway Inflammation", American Journal of Respiratory and Critical Care Medicine, American Lung Association, New York, NY, US, vol. 150, no. 5, part 2, Nov. 1994, pp. S63-71.	
	40	BARGHOUTHY SAMEER et al.: "Inhibition by Dextran of Pseudomonas Aeruginosa Adherence to Epithelial Cells", American Journal of Respiratory and Critical Care Medicine", vol. 154, no. 6, part. 1, 1996, pp. 1788-1793.	
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	42	BARROWCLIFFE, MICHAEL P. et al.: "Pulmonary Clearance of Radiotracers After Positive End-Expiratory Pressure or Acute Lung Injury", J. Appl. Physiol. (1989), 66(1), 288-94.	
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Examiner Signature	<i>Chad Faber</i>	Date Considered	2/5/2007
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